

Application No. 09/626,566
Filed: 7/27/00
Group Art Unit: 1625

REMARKS

1. This is in response to the Restriction Requirement dated 3/26/02.

2. Applicant provisionally elects Group I with traverse.

The Examiner has indicated that, if Group I is elected, Applicant should also elect a single disclosed species in Group I and submit a compound species claim commensurate therewith. Applicant provisionally elects with traverse the species having an acridinium nucleus, as disclosed in claim 4, and selects claim 4 as the species claim. Applicant believes that claims 4-17 and 23-29 should be included in this species. Claims 5-17 are dependent on claim 4. Claim 23 (and claims 24-25 dependent thereon) and claim 26 (and claims 27-29 dependent thereon) are also claims with acridinium compounds.

Claims 23 and 26 were initially dependent on claim 2 but have been amended to be dependent on claim 4. This is necessary, since claims 23 and 26 rely on the definitions of R_1 , R_{2a-c} , etc., which are defined in claim 4.

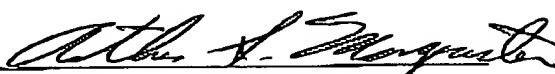
3. The PTO is ~~requested~~ to change the Attorney Docket Number from MOI-17002 to CCDLT-300XX.

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The Examiner is encouraged to telephone the undersigned attorney to discuss any matter that would expedite allowance of the present application.

Respectfully submitted,

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Enclosure

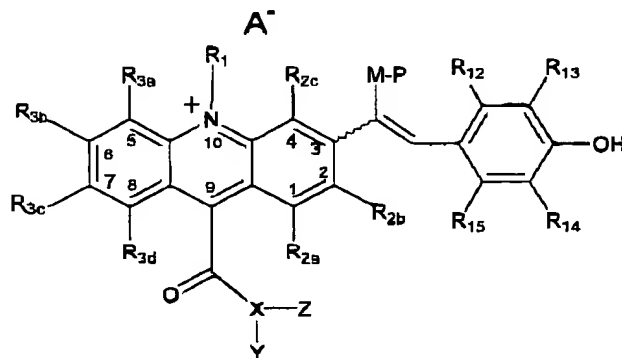
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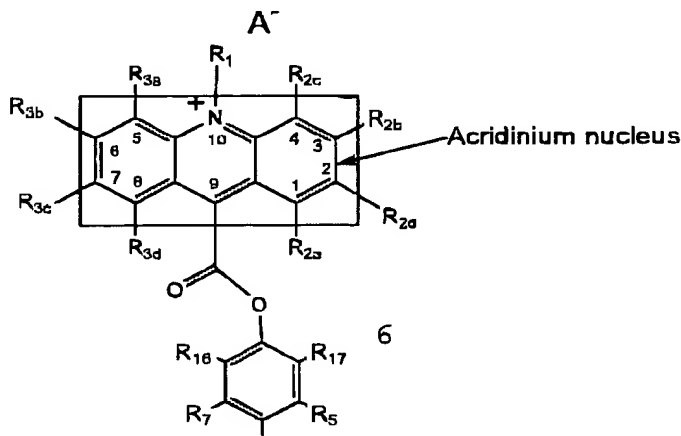
MARKED-UP VERSION OF CLAIM AMENDMENTS

23. The chemiluminescent substrate of claim [2] 4 wherein said chemiluminescent moiety Lumi is an acridinium compound having the following structure:



wherein, R₁, R_{2a-c}, R_{3a-d}, A⁻, M, P, X, Y, and Z are as defined in claim 4; R₁₂, R₁₃, R₁₄ and R₁₅ are the same or different and are selected from the group consisting of hydrogen, -R, hydroxyl, amino, halides, nitro, nitroso, sulfonate, sulfate, phosphonate, -CO₂H, cyano (-CN), -SCN, -OR, -SR, -SSR, -C(O)R, and -C(O)NHR.

26. The chemiluminescent substrate of claim [2] 4 wherein said chemiluminescent moiety Lumi is an acridinium compound having the following structure:



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wherein, R_1 , R_{2a-c} , R_{3a-d} , R_5 , R_7 , A^- , M , and P are as defined in claim 4;

R_{2d} is as defined for R_{2a-c} and R_{3a-d} ;

R_{16} and R_{17} are the same or different, and are selected from the group consisting of hydrogen, methyl, alkyl with low molecular weight, and halides.